

# Hydromorphone, trimethylsilyl ether

<b>Other names:</b>	Hydromorphone, O-TMS Hydromorphone, mono-TMS Hydromorphone TMS derivative Hydromorphone (AS 59)
<b>Inchi:</b>	InChI=1S/C20H27NO3Si/c1-21-10-9-20-13-6-7-15(22)19(20)23-18-16(24-25(2,3)4)8-5-1
<b>InchiKey:</b>	OTAGLWYPCUBLAU-UHFFFAOYSA-N
<b>Formula:</b>	C20H27NO3Si
<b>SMILES:</b>	CN1CCC23c4c5ccc(O[Si](C)(C)C)c4OC2C(=O)CCC3C1C5
<b>Mol. weight [g/mol]:</b>	357.52
<b>CAS:</b>	221209-08-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.80		Crippen Method
logp	3.138		Crippen Method
rinpol	2570.80		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C221209081&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C221209081&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/57-672-3/Hydromorphone-trimethylsilyl-ether.pdf>

Generated by Cheméo on 2024-04-20 14:55:04.300020072 +0000 UTC m=+15914153.220597387.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.